



**PEMERINTAH KOTA SEMARANG  
DINAS PEKERJAAN UMUM**

JL. MADUKORO RAYA NO. 7, TELP. (024) 76433969, FAX. (024) 76433969 KOTA SEMARANG

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**FORM INVENTARISASI JEMBATAN  
Ruas Jalan  
WONOSARI II**

**NO JEMBATAN : KT.33.074.07.1001.037.001**  
**NAMA JEMBATAN : WONOSARI II**  
**TAHUN ANGGARAN : 2024**



## LAPORAN PEMERIKSAAN INVENTARISASI JEMBATAN

No. Jembatan Ruas Jalan Kabupaten dan Kota

|    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KT | 3 | 3 | 0 | 7 | 4 | 0 | 7 | 1 | 0 | 0 | 1 | 0 | 3 | 7 | 0 | 0 | 1 |
|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

|                                 |  |           |    |           |                                      |                              |       |  |
|---------------------------------|--|-----------|----|-----------|--------------------------------------|------------------------------|-------|--|
| Nama Jembatan                   | <b>WONOSARI II</b>                     |           |    |           | Propinsi / Kabupaten / Kota Semarang |                              |       |  |
| Lokasi Jembatan                 | Koordinat Awal :                       | -6.989511 | LS | 110.40735 | BT                                   | Dari (Kota Asal/Km.No1) :    | SMG   |  |
|                                 | Koordinat Akhir :                      | -6.989511 | LS | 110.40735 | BT                                   | Km. (Jarak dari kota asal) : | 0+005 |  |
| Tanggal Pemeriksaan<br>2/3/2024 | Nama Pemeriksa / NIP<br>GENDUT SUMANTO |           |    |           | Tahun Pembangunan<br>-               |                              |       |  |
| Nilai Lalu - Lintas :           | -                                      | LHR       | :  | -         | Tahun :                              | -                            | -     |  |

### INFORMASI PEMBANGUNAN JEMBATAN

|    |  |                  |         |
|----|--|------------------|---------|
| 1  | Tanggal / Bulan / Tahun pembangunan jembatan / pengoperasian pertama kali                      | :                | -       |
| 2  | Tanggal / Bulan / Tahun pelebaran/rehabilitasi/perkuatan jembatan / pengoperasian pertama kali | :                | -       |
| 3  | Tanggal / Bulan / Tahun serah terima aset  | :                | -       |
| 4  | Penanggung jawab pembangunan (Satker/PPK)  | :                | -       |
| 5  | Penanggung jawab pelebaran/rehabilitasi/perkuatan jembatan (Satker/PPK)                        | :                | -       |
| 6  | Biaya perencanaan  | :                | -       |
| 7  | Biaya pembangunan  | :                | -       |
| 8  | Biaya pelebaran/rehabilitasi/perkuatan jembatan  | :                | -       |
| 9  | Biaya pengujian  | :                | -       |
| 10 | Nilai aset serah terima  | :                | -       |
| 11 | Nama konsultan perencana pembangunan   | :                | -       |
| 12 | Nama <i>Independent Proof Checker</i> (IPC)  | :                | -       |
| 13 | Nama konsultan perencana pelebaran/rehabilitasi/perkuatan jembatan                             | :                | -       |
| 14 | Nama kontraktor pelaksana pembangunan  | :                | -       |
| 15 | Nama kontraktor pelaksana pelebaran/rehabilitasi/perkuatan jembatan                            | :                | -       |
| 16 | Nama subkontraktor spesialis   | :                | -       |
| 17 | Nama konsultan pengawas pembangunan  | :                | -       |
| 18 | Nama konsultan pengawas pelebaran/rehabilitasi/perkuatan jembatan                              | :                | -       |
| 19 | Nama konsultan pengujian   | :                | -       |
|    |  |                  |         |
|    |  | Tersedia / Tidak | File    |
| 20 | Laporan pembangunan/pelebaran/rehabilitasi/perkuatan jembatan                                  | :                | Tidak - |
| 21 | <i>As-built-drawing</i> atau denah jembatan  | :                | Tidak - |

Hanya untuk keperluan kantor

|   |                      |
|---|----------------------|
| Tanggal memasukkan Data Pemeriksaan Inventarisasi<br>7/3/2024 | Oleh :<br>WAHYU DWIS |
|---|----------------------|



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### INFORMASI KAPASITAS MUATAN

|  |   |       |       |
|--|---|-------|-------|
| 1 Batasan muatan sumbu terberat MST                                  | : | 2     | ton   |
| 2 Beban maksimum yang pernah di atas jembatan                        | : | 2     | ton   |
| 3 Jenis kendaraan berat yang umum lewat di atas jembatan             | : | MOTOR |       |
| 4 Tindakan darurat yang sedang/pernah dilakukan di atas jembatan     | : | C     |       |
| a. Pembatasan beban  |   |       |       |
| b. Penyokongan/Sangga  |   |       |       |
| c. Penutupan parsial/Sebagian  |   |       |       |
| d. Penutupan penuh   |   |       |       |
| e. Jalan Memutar/ <i>detour</i>                                      |   |       |       |
| f. Jembatan Sementara  |   |       |       |
| 5 Apakah tersedia jalan memutar/ <i>detour</i> jika jembatan ditutup |   | Ya    | tidak |
| 6 Panjang jarak tambahan yang harus ditempuh dengan jalan memutar    |   | 100   | m     |

### INFORMASI KAPASITAS LALU LINTAS

|   |   |   |   |
|---|---|---|---|
| 1 Lalu - lintas harian rata-rata tahunan (LHR) AADT   | : | - |   |
| 2 Nilai Lalu - Lintas (Perbandingan lebar jalur lalu-lintas yang tersedia di atas jembatan dengan lebar perkerasan sebelum masuk ke dalam jembatan) |   | 5 |   |
| Longgar kendaraan bebas melintas di atas jembatan   |   | 0 |   |
| Cukup lebar kendaraan melaju perlahan di atas jembatan  |   | 3 |   |
| Sempit kendaraan harus antri atau berhenti  |   | 5 |   |
| 3 Lebar kendaraan maksimum ( <i>ODOL/Over-dimension overload vehicle</i> )  | : | 1 | m |

### INFORMASI BATASAN PERLINTASAN DAN LINGKUNGAN

|   |   |     |   |
|---|---|-----|---|
| 1 Tinggi muka air banjir terhadap bagian atas lantai jembatan   | : | 1.5 | m |
| 2 Tinggi muka air banjir terhadap elevasi perletakan jembatan   | : | -   | m |
| 3 Tinggi muka air banjir terhadap elevasi terbawah bangunan atas jembatan                                       | : | 1   | m |
| 4 Kedalaman gerusan di sekitar pilar  | : | -   | m |
| 5 Kedalaman gerusan di sekitar kepala jembatan  | : | -   | m |
| 6 Kedalaman gerusan di sekitar tanah timbunan atau bangunan pengaman lainnya                                    | : | -   | m |
| 7 Tinggi bebas perlintasan <i>overpass</i> jalan  | : | -   | m |
| 8 Tinggi bebas perlintasan kereta api   | : | -   | m |
| 9 Tinggi bagian tertinggi dari kapal laut dan/atau angkutannya terhadap elevasi terbawah bangunan atas jembatan | : | -   | m |
| 10 Lebar alur pelayaran untuk dibandingkan dengan kapal laut  | : | -   | m |
| 11 Tinggi pylon dengan batasan lintasan pesawat udara dekat bandara   | : | -   | m |



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**KODE-KODE PEMERIKSAAN INVENTARISASI JEMBATAN**

| Tipe Lintasan               |   | JN (jalan)     | SL (sungai lurus)                 | SM (sungai meander) | SB (sungai berjaln)           | S/T (selat atau teluk)   | KA (Kereta Api)                    | L (lain-lain)   |                                    |              |                                |                           |            |   |
|-----------------------------|---|----------------|-----------------------------------|---------------------|-------------------------------|--|------------------------------------|---|------------------------------------|--------------|--------------------------------|---------------------------|------------|---|
| A. TBA (Tipe Bangunan Atas) |   | B. BHN (Bahan) |                                   |                     | C1. SBA (Sifat Bangunan Atas) |  | C2. Keterangan Detail              |   | D. TF (Tipe Fondasi)               |              | E. KJP (Kepala Jembatan/Pilar) |                           |            |   |
| B                           | gorong-gorong persegi                               | K              | Kayu                              | P                   | Permanen                      | A  | Australia                          | CA  | Cakar Ayam                         | A            | Cap (Kepala tiang)             |                           |            |   |
| Y                           | gorong-gorong pipa                                  | S              | Pasangan bata                     | S                   | Semi Permanen                 | T  | Australia (Sementara)              | LS  | Langsung                           | B            | Dinding penuh                  |                           |            |   |
| A                           | gorong-gorong pelengkung                            | M              | Pasangan batu                     | W                   | Darurat                       | B  | Belanda (tipe baru)                | TP  | Tiang Pancang                      | K            | Kepala jembatan khusus         |                           |            |   |
| T                           | gantung   | G              | Bronjong dan sejenisnya           | X                   | Tidak ada struktur            | D  | Belanda (tipe lama)                | PB  | Tiang Bor                          | <b>Pilar</b> |                                |                           |            |   |
| C                           | Jembatan Gantungan /<br>Beruji Kabel (Cable Stayed) | H              | Pasangan batu kosong              | M                   | Bergerak                      | I  | Indonesia                          | TU  | Tiang Ulir                         |              |                                |                           |            |   |
| G                           | gelagar   | D              | Beton tak bertulang               | F                   | Apung                         | J  | Jepang                             | SU  | Sumuran                            | <b>PILON</b> |                                |                           |            |   |
| M                           | gelagar komposit                                    | T              | Beton bertulang                   |                     |                               | R  | Austria                            | LL  | Lain-lain                          |              |                                |                           |            |   |
| O                           | Gelagar Boks  | P              | Beton pratekan                    |                     |                               | E  | Spanyol                            | A Tipe A<br>D Tipe Diamond<br>H Tipe H<br>I Tipe Tunggal / I<br>Y Tipe Y<br>V Tipe V terbuka<br>W Tipe Double I |                                    | C            | Cap (kepala tiang)             |                           |            |   |
| Q                           | Gelagar tipe U                                      | B              | Baja                              |                     |                               | U  | Callender Hamilton<br>(UK/Inggris) |   |                                    | P            | Dinding penuh                  | S                         | Satu kolom |   |
| L                           | balok pelengkung                                    | U              | Pelat baja gelombang              |                     |                               | W  | Acrow/Bailey                       | D   | Dua kolom                          | D            | Dua kolom                      |                           |            |   |
| E                           | pelengkung  | Y              | Komposit Baja - beton             |                     |                               | <b>Catatan :</b><br><i>Asal produksi jembatan,<br/>           apabila diketahui pasti, dari<br/>           pemeriksaan detail dapat<br/>           dituliskan atau diganti dengan<br/>           sifat apabila tidak pasti</i> |                                    | H   | Tipe H                             | T            | Tiga atau lebih kolom          |                           |            |   |
| D                           | Flat Slab   | J              | Aluminium                         |                     |                               |  |                                    | I   | Tipe Tunggal / I                   | L            | Lain-lain                      | L                         | Lain-lain  |   |
| V                           | Voided Slab   | E              | Neoprene / karet                  |                     |                               |  |                                    | Y   | Tipe Y                             | V            | Tipe V terbuka                 | V                         | Tipe V     |   |
| R                           | rangka  | F              | Teflon                            |                     |                               |  |                                    | <b>Tiang Sandaran</b>   |                                    |              | TB                             | tiang beton sandaran baja |            |   |
| P                           | Pelat   | V              | PVC                               |                     |                               |  |                                    |   |                                    |              | BB                             | tiang baja sandaran baja  | DB         | dinding bagian bawah +<br>sandaran baja |
| F                           | ferry   | N              | geotextile                        |                     |                               |  |                                    | DD  | Sandaran/Median beton<br>bertulang | KK           | tiang kayu sandaran kayu       |                           |            |   |
| K                           | lintasan kereta api                                 | O              | Tanah biasa/lempung atau timbunan |                     |                               |  |                                    |   |                                    |              |                                |                           |            |   |
| W                           | lintasan basah                                      | A              | Aspal                             |                     |                               |  |                                    |   |                                    |              |                                |                           |            |   |
| U                           | lain-lain   | R              | kerikil/pasir                     |                     |                               |  |                                    |   |                                    |              |                                |                           |            |   |
|                             |   | W              | Macadam                           |                     |                               |  |                                    |   |                                    |              |                                |                           |            |   |
|                             |   | X              | Bahan asli                        |                     |                               |  |                                    |   |                                    |              |                                |                           |            |   |
|                             |   | L              | Lain-lain                         |                     |                               |  |                                    |   |                                    |              |                                |                           |            |   |







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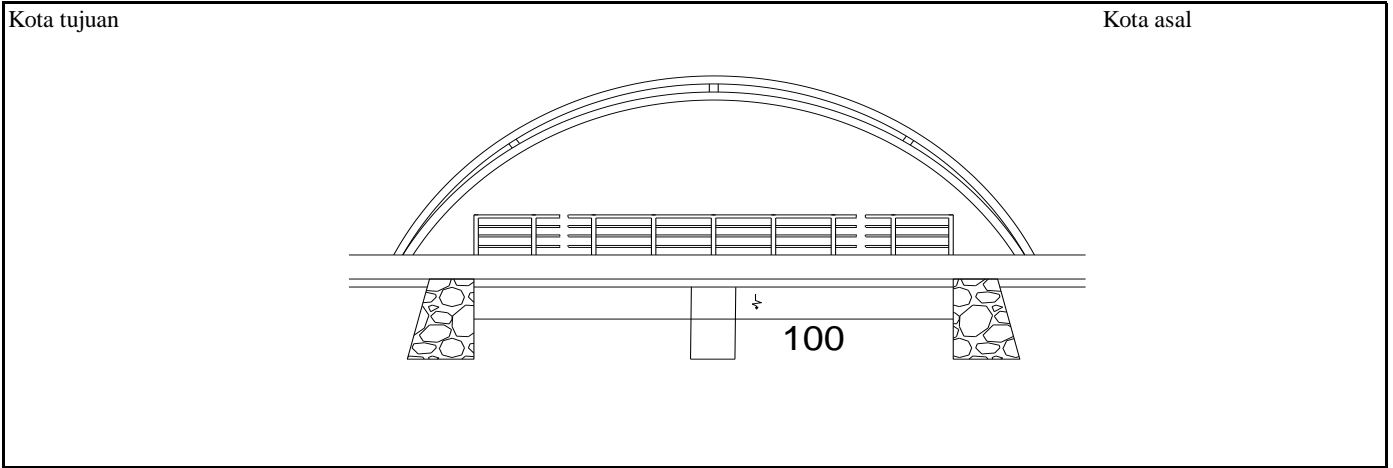
NO. JEMBATAN :

|    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KT | 3 | 3 | 0 | 7 | 4 | 0 | 7 | 1 | 0 | 0 | 1 | 0 | 3 | 7 | 0 | 0 | 1 |
|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

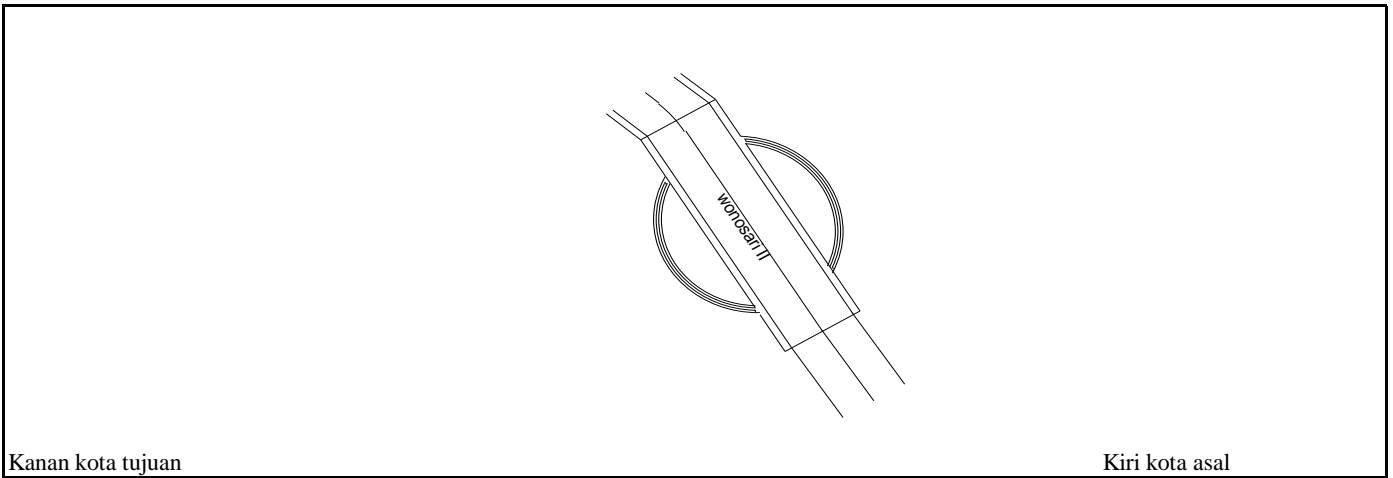
NAMA JEMBATAN :

WONOSARI II

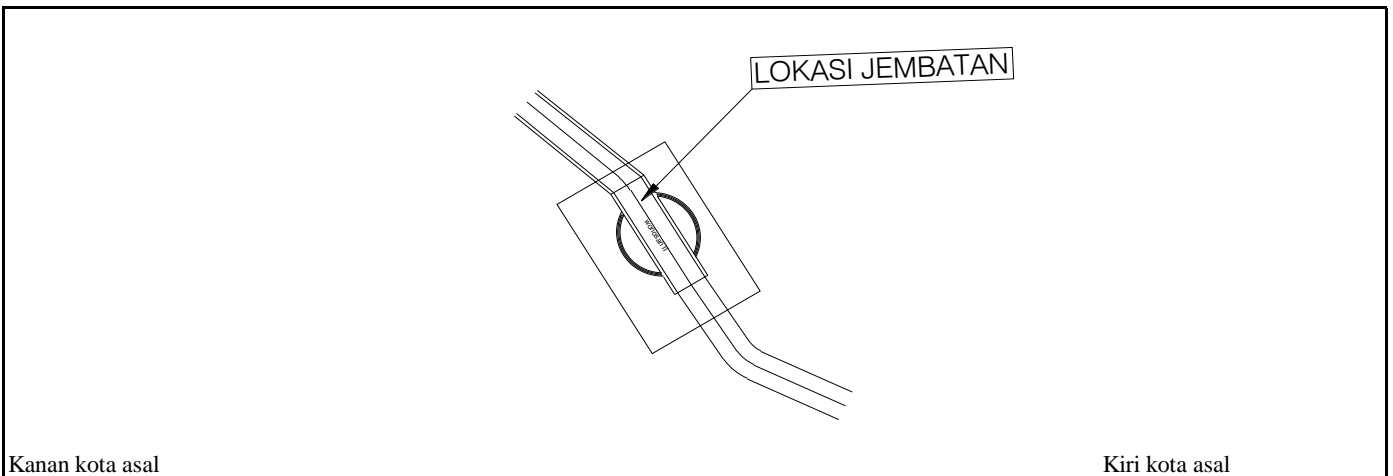
**POTONGAN MEMANJANG**



**TAMPAK ATAS**



**SITUASI**





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**TAMPAK MEMANJANG**



**TAMPAK MEMANJANG**



**TAMPAK MELINTANG**



**TAMPAK MELINTANG**

| <b>NOMOR JEMBATAN</b>     | <b>NAMA JEMBATAN</b> | <b>LOKASI (Km)</b> | <b>PANJANG (M)</b> |
|---------------------------|----------------------|--------------------|--------------------|
| KT.33.074.07.1001.037.001 | WONOSARI II          | 0+005              | 10.80              |



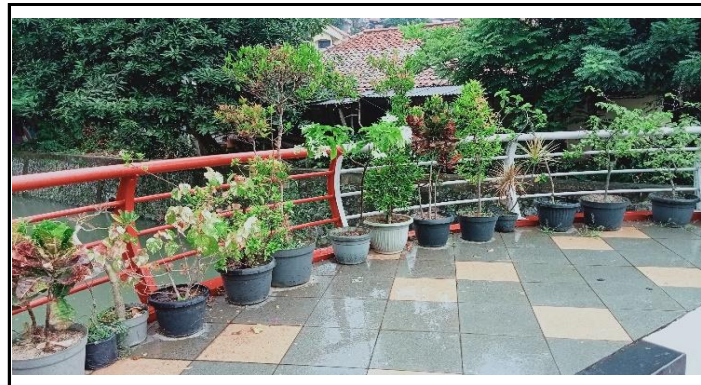


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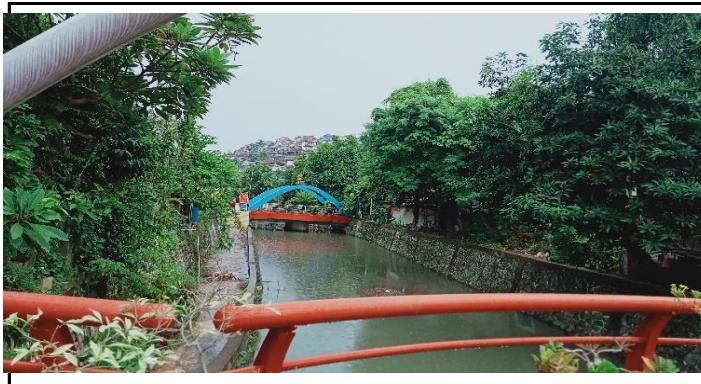
**KONDISI LANTAI**



**KONDISI TROTOAR DAN SANDARAN**



**KONDISI BANGUNAN BAWAH**



**KONDISI ALIRAN SUNGAI**

| <b>NOMOR JEMBATAN</b>     | <b>NAMA JEMBATAN</b> | <b>LOKASI (Km)</b> | <b>PANJANG (M)</b> |
|---------------------------|----------------------|--------------------|--------------------|
| KT.33.074.07.1001.037.001 | WONOSARI II          | 0+005              | 10.80              |



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**FORM DETAIL JEMBATAN  
Ruas Jalan  
WONOSARI II**

**NO JEMBATAN : KT.33.074.07.1001.037.001**  
**NAMA JEMBATAN : WONOSARI II**  
**TAHUN ANGGARAN : 2024**



## LAPORAN PEMERIKSAAN DETAIL JEMBATAN

No. Jembatan Ruas Jalan Kabupaten dan Kota

|    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KT | 3 | 3 | 0 | 7 | 4 | 0 | 7 | 1 | 0 | 0 | 1 | 0 | 3 | 7 | 0 | 0 | 1 |
|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

|                                 |  |            |       |           |                                      |                              |       |  |
|---------------------------------|--|------------|-------|-----------|--------------------------------------|------------------------------|-------|--|
| Nama Jembatan                   | WONOSARI II                            |            |       |           | Propinsi / Kabupaten / Kota Semarang |                              |       |  |
| Lokasi Jembatan                 | Koordinat Awal :                       | -6.989511  | LS    | 110.40735 | BT                                   | Dari (Kota Asal/Km.No1) :    | SMG   |  |
|                                 | Koordinat Akhir :                      | -6.9895111 | LS    | 110.40735 | BT                                   | Km. (Jarak dari kota asal) : | 0+005 |  |
| Tanggal Pemeriksaan<br>2/3/2024 | Nama Pemeriksa / NIP<br>GENDUT SUMANTO |            |       |           | Tahun Pembangunan                    |                              |       |  |
| Nilai Traffic :                 | -                                      |            | LHR : | -         |                                      | Tahun :                      | -     |  |

### USULAN PEMERIKSAAN KHUSUS

|                                      |    |       |
|--------------------------------------|----|-------|
| Apakah tindakan darurat disarankan ? | Ya | Tidak |
|--------------------------------------|----|-------|

#### Elemen elemen yang memerlukan Pemeriksaan Khusus

| Kode | Elemen<br>Uraian | Lokasi |   |   |   | Alasan untuk melakukan pemeriksaan khusus |
|------|------------------|--------|---|---|---|---|
|      |                  | A/P/B  | X | Y | Z |   |
|      |                  |        |   |   |   |   |
|      |                  |        |   |   |   |   |
|      |                  |        |   |   |   |   |
|      |                  |        |   |   |   |   |
|      |                  |        |   |   |   |   |

### TINDAKAN DARURAT

|                                      |    |       |
|--------------------------------------|----|-------|
| Apakah tindakan darurat disarankan ? | Ya | Tidak |
|--------------------------------------|----|-------|

#### Elemen elemen yang memerlukan Tindakan Darurat

| Kode | Elemen<br>Uraian | Lokasi |   |   |   | Alasan untuk melakukan pemeriksaan khusus |
|------|------------------|--------|---|---|---|---|
|      |                  | A/P/B  | X | Y | Z |   |
|      |                  |        |   |   |   |   |
|      |                  |        |   |   |   |   |
|      |                  |        |   |   |   |   |
|      |                  |        |   |   |   |   |
|      |                  |        |   |   |   |   |

#### Hanya untuk keperluan kantor

|   |                      |
|---|----------------------|
| Tanggal memasukkan Data Pemeriksaan Inventarisasi<br>7/3/2024 | Oleh :<br>WAHYU DWIS |
|---|----------------------|

LAPORAN PEMERIKSAAN MENDETAIL JEMBATAN

DAFTAR KERUSAKAN UNTUK LEVEL 3-5

|              |    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No. Jembatan | KT | 3 | 3 | 0 | 7 | 4 | 0 | 7 | 1 | 0 | 0 | 1 | 0 | 3 | 7 | 0 | 0 | 1 |
|--------------|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

EVALUASI ELEMEN

| Elemen | Kode                                    | Uraian Level 2 (pilihan) | Elemen                                | Kode                   | Uraian Level 3 (pilihan)   | Elemen | Kode | Uraian (pilihan) | Kerusakan | Lokasi  |   |   |   |   |         |   |   |   |    |   |   |   |
|--------|---|--------------------------|---------------------------------------|------------------------|--|--------|------|------------------|-----------|---------|---|---|---|---|---------|---|---|---|----|---|---|---|
|        |   |                          |                                       |                        |  |        |      |                  |           | Level 5 |   |   |   |   | Level 4 |   |   |   |    |   |   |   |
|        |   |                          |                                       |                        |  |        |      |                  |           | A/P/B   | X | Y | Z | S | R       | K | F | P | NK | S | R | K |
| 2.100  | Jalan Pendekat                          | 3.110                    | Perkerasan Jalan Pendekat             | 4.111                  | Perkerasan Fleksibel Jalan Pendekat                                    |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.112                  | Perkerasan Kaku Jalan Pendekat   |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.113                  | Pelat Injak  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.114                  | Sleeper Slab   |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.115                  | Drainase Perkerasan  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   | 3.120                    | Tanah Timbunan                        | 4.121                  | Tanah Timbunan   |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.122                  | Timbunan Ringan  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.123                  | Geosintetik  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.124                  | Drainase Tanah Timbunan  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.131                  | Dinding Penahan Tanah  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   | 3.130                    | Struktur Penahan Tanah Jalan Pendekat | 4.132                  | Tanah Bertulang/Mechanically Stabilized Earth (MSE)                    |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.133                  | Drainase Struktur Penahan Tanah  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.134                  | Soil nailing   |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   | 3.140                    | Pengaman lalu - lintas                | 4.141                  | Tiang Pengaman Jalan Pendekat  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
| 4.142  | Pagar Pengaman/Guardrail Jalan Pendekat |                          |                                       |                        |  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
| 2.200  | Aliran Sungai                           | 3.210                    | Aliran Sungai                         | 4.211                  | tebing sungai  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.212                  | aliran air utama   |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.213                  | daerah genangan banjir   |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        | 3.220                                   | Bangunan Pengaman        | 4.221                                 | Pengaman Aliran Sungai |  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          | 4.222                                 | Pengaman Tebing Sungai |  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
| 2.300  | Bangunan Bawah                          | 3.310                    | Pondasi                               | 4.311                  | Fondasi Tiang  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.312                  | Fondasi Sumuran  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.313                  | Fondasi Langsung   |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.314                  | Pondasi Balok Pelengkung   |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.315                  | Sumbungan Fondasi dan Lainnya  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.316                  | Perkuatan Fondasi  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.317                  | Struktur jembatan apung  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   | 3.320                    | Kepala Jembatan/Pilar                 | 4.321                  | Balok Fondasi  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.322                  | Dinding kepala jembatan / pilar  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.323                  | Balok Kepala Jembatan/Pilar  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.324                  | Struktur pengaku   |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.325                  | Sumbungan kepala jembatan / pilar                                      |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.326                  | Perkuatan bangunan bawah   |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.327                  | Drainase Kepala jembatan / pilar                                       |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
| 2.400  | Bangunan Atas                           | 3.410                    | Sistem Gelagar                        | 4.411                  | Gelagar utama  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.412                  | Diafragma  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.413                  | Pengaku gelagar baja   |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.414                  | Perkuatan selagar  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.415                  | Sumbungan selagar  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.416                  | Drainase Gelagar   |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.421                  | pelat beton bertulang  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   | 3.420                    | Jembatan Pelat                        | 4.422                  | Pelat beton pracetak   |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.423                  | Kabel prategang melintang  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.424                  | Shear key (sambungan antar pelat beton pracetak pratekan - flat slab.) |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   | 3.430                    | Pelengkung                            | 4.425                  | Perkuatan Jembatan Pelat   |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.426                  | Drainase Jembatan Pelat  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   | 3.440                    | Balok Pelengkung                      | 4.431                  | Pelengkung   |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   |                          |                                       | 4.432                  | Dindine pelengkung   |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
| 4.433  | Perkuatan pelengkung                    |                          |                                       |                        |  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
| 3.440  | Balok Pelengkung                        | 4.434                    | Drainase Pelengkung                   |                        |  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
|        |   | 4.441                    | balok pelengkung                      |                        |  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |
| 4.442  | Pengaku Balok Pelengkung                |                          |                                       |                        |  |        |      |                  |           |         |   |   |   |   |         |   |   |   |    |   |   |   |

| LEVEL 3 |   | Nilai Kondisi |   |   |   |   |    |
|---------|---|---------------|---|---|---|---|----|
| Kode    | Elemen                                      | S             | R | K | F | P | NK |
| 3.110   | Perkerasan Jalan Pendekat                   |               |   |   |   |   | -  |
| 3.120   | Tanah Timbunan                              |               |   |   |   |   | -  |
| 3.130   | Struktur Penahan Tanah Jalan Pendekat       |               |   |   |   |   | -  |
| 3.140   | Pengaman lalu-lintas                        |               |   |   |   |   | -  |
| 3.210   | Aliran Sungai                               | 0             | 1 | 0 | 0 | 0 | 1  |
| 3.220   | Bangunan Pengaman                           | 0             | 1 | 0 | 0 | 0 | 1  |
| 3.310   | Fondasi                                     |               |   |   |   |   | -  |
| 3.320   | Kepala Jembatan/Pilar                       | 0             | 1 | 0 | 0 | 0 | 1  |
| 3.410   | Sistem Gelagar                              | 0             | 1 | 0 | 0 | 0 | 1  |
| 3.420   | Jembatan Pelat                              |               |   |   |   |   | -  |
| 3.430   | Pelengkung                                  |               |   |   |   |   | -  |
| 3.440   | Balok Pelengkung                            |               |   |   |   |   | -  |
| 3.450   | Rangka                                      |               |   |   |   |   | -  |
| 3.460   | Jembatan Beruji Kabel (Cable-Stayed)        |               |   |   |   |   | -  |
| 3.470   | Jembatan Gantung                            |               |   |   |   |   | -  |
| 3.480   | Pilon                                       |               |   |   |   |   | -  |
| 3.490   | Gelagar Boks                                |               |   |   |   |   | -  |
| 3.500   | Sistem Lantai                               |               |   |   |   |   | -  |
| 3.600   | Sambungan / Siar muai                       |               |   |   |   |   | -  |
| 3.610   | Perletakan                                  |               |   |   |   |   | -  |
| 3.620   | Pengaman Pengguna Jalan                     |               |   |   |   |   | -  |
| 3.630   | Perlengkapan Aerodinamik Jembatan           |               |   |   |   |   | -  |
| 3.710   | Perlengkapan Umum                           |               |   |   |   |   | -  |
| 3.720   | Penerangan                                  |               |   |   |   |   | -  |
| 3.730   | Utilitas                                    |               |   |   |   |   | -  |
| 3.740   | Pengaman struktur dan lingkungan            |               |   |   |   |   | -  |
| 3.750   | SMKS (Sistem Monitoring Kesehatan Jembatan) |               |   |   |   |   | -  |
| 3.760   | Perlengkapan Jembatan Gerak/movable bridge  |               |   |   |   |   | -  |
| 3.770   | Fasilitas Pemeriksaan Tetap                 |               |   |   |   |   | -  |
| 3.810   | Tanah di dalam struktur Gorong-gorong       |               |   |   |   |   | -  |
| 3.820   | Gorong - gorong persegi Boks                |               |   |   |   |   | -  |
| 3.830   | Gorong - gorong pipa                        |               |   |   |   |   | -  |
| 3.840   | Gorong - gorong Pelengkung Baja Gelombang   |               |   |   |   |   | -  |
| 3.850   | Struktur Pendukung Gorong-gorong            |               |   |   |   |   | -  |
| 3.860   | Perkuatan gorong - gorong                   |               |   |   |   |   | -  |
| 3.910   | Lintasan dengan perkerasan                  |               |   |   |   |   | -  |
| 3.920   | Lintasan alam (tanpa perkerasan)            |               |   |   |   |   | -  |
| 3.930   | Lintasan dengan struktur semi - permanen    |               |   |   |   |   | -  |

| LEVEL 2 |                         | Nilai Kondisi |   |   |   |   |    |
|---------|-------------------------|---------------|---|---|---|---|----|
| Kode    | Elemen                  | S             | R | K | F | P | NK |
| 2.100   | Jalan Pendekat          |               |   |   |   |   | -  |
| 2.200   | Aliran Sungai           | 0             | 1 | 0 | 0 | 0 | 1  |
| 2.300   | Bangunan Bawah          | 0             | 1 | 0 | 0 | 0 | 1  |
| 2.400   | Bangunan Atas           | 0             | 1 | 0 | 0 | 0 | 1  |
| 2.700   | Perlengkapan            |               |   |   |   |   | -  |
| 2.800   | Gorong-gorong           |               |   |   |   |   | -  |
| 2.900   | Struktur Lintasan Basah |               |   |   |   |   | -  |

| LEVEL 1 |          | Nilai Kondisi |   |   |   |   |    |
|---------|----------|---------------|---|---|---|---|----|
| Kode    | Elemen   | S             | R | K | F | P | NK |
| 1.000   | Jembatan | 0             | 1 | 0 | 0 | 0 | 1  |



| Elemen |                          | Elemen |   | Elemen |  | Kerusakan |                  | Lokasi |   | Level 5 |   |   |   |   | Level 4 |   |    |   |   |   |   |   |    |  |
|--------|--------------------------|--------|---|--------|--|-----------|------------------|--------|---|---------|---|---|---|---|---------|---|----|---|---|---|---|---|----|--|
| Kode   | Uraian Level 2 (pilihan) | Kode   | Uraian Level 3 (pilihan)                      | Kode   | Uraian (pilihan)                                     | Kode      | Uraian (pilihan) | A/P/B  | X | Y       | Z | S | R | K | F       | P | NK | S | R | K | F | P | NK |  |
|        |                          | 3.730  | Utilitas                                      | 4.722  | Struktur Tangg Penanaman                             |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.723  | Penanaman Penerangan                                 |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.731  | Utilitas Kabel Listrik                               |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.732  | Utilitas Pipa Air Minum                              |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.733  | Utilitas Kabel Telekomunikasi                        |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 7.734  | Utilitas Pipa Air Kotor                              |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.735  | Utilitas Pipa Pembawa Bahan Energi lainnya           |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 7.736  | Sambungan utilitas                                   |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.737  | Dudukan utilitas                                     |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          | 3.740  | Pengaman Struktur dan Jalan Lingkungan        | 4.741  | Perangkat Pengendali Kelembaban                      |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.742  | Perangkat Penangkal Petir                            |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.743  | Perangkat Perlindungan Korosi dan Biota Laut         |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.744  | Labang Ventilasi                                     |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.745  | Penutup Lubang Ventilasi                             |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          | 3.750  | SMKS (Sistem Monitoring Kesehatan Jembatan)   | 4.751  | Sensor Struktur                                      |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.752  | Perangkat Pengukur Beban Kendaraan                   |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.753  | Sensor pengukur Beban Kendaraan                      |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.754  | Pendukung lainnya                                    |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          | 3.760  | Perlengkapan Jembatan Gerak / moveable bridge | 4.755  | Perangkat Penyalur Data                              |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.761  | Sistem pengerak fungsional                           |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.762  | Sistem Elektrik                                      |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.763  | Sistem Hidrolik                                      |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.764  | Sistem Mekanik                                       |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          | 3.770  | Fasilitas Pemeriksaan Tetap                   | 4.771  | Tangga Platform Pemeriksaan                          |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.772  | Lubang Masuk (gelagar, kolom)                        |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.773  | Traveler   |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
| 2.800  | gorong - gorong          | 3.810  | Tanah di dalam struktur Gorong - gorong       | 4.811  | Tanah timbunan di atas gorong - gorong               |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.812  | Tanah dasar di bawah struktur gorong - gorong        |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          | 3.820  | Gorong - gorong Persegi Boks                  | 4.821  | Dinding Tegak  |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.822  | Pelat Bawah  |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.823  | Pelat Atas   |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.824  | Drainase Gorong - gorong Persegi Boks                |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          | 3.830  | Gorong - gorong Pipa                          | 4.831  | Dinding penahan tanah timbunan                       |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.832  | Drainase Gorong - gorong Pipa                        |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.841  | Pelat Baja Gelombang                                 |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.842  | Sambungan / Baut renekait                            |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.843  | Fondasi / Pelat Beton                                |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.844  | Dudukan Pelengkung Baja Gelombang                    |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.844  | Drainase Gorong gorong Pelengkung Baja Ber gelombang |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          | 3.850  | Struktur Pendukung Gorong - gorong            | 4.851  | Tembok Savan   |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.852  | Tembok Kepala (Head wall) Gorong-gorong              |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.853  | Tembok Bawah (Drop wall) Gorong-gorong               |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.854  | Apron  |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          | 3.860  | Perkuatan Gorong - gorong                     | 4.861  | Perkuatan dengan Lapisan Beton Tambahan              |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.862  | Perkuatan dengan ERP                                 |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          |        |   | 4.863  | Perkuatan dengan Lapisan Baja Tambahan               |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
| 2.900  | Struktur Lintasan B      | 3.910  | Lintasan dengan Perkerasan                    |        |  |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          | 3.920  | Lintasan Alam (tanpa perkerasan)              |        |  |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |
|        |                          | 3.930  | Lintasan dengan struktur semi - permanen      |        |  |           |                  |        |   |         |   |   |   |   |         |   |    |   |   |   |   |   |    |  |

| LEVEL 3 |        | Nilai Kondisi |   |   |   |    |
|---------|--------|---------------|---|---|---|----|
| Kode    | Elemen | S             | R | K | F | NK |



**PEMERINTAH KOTA SEMARANG  
DINAS PEKERJAAN UMUM**

JL. MADUKORO RAYA NO. 7, TELP. (024) 76433969, FAX. (024) 76433969 KOTA SEMARANG

**NO. JEMBATAN**

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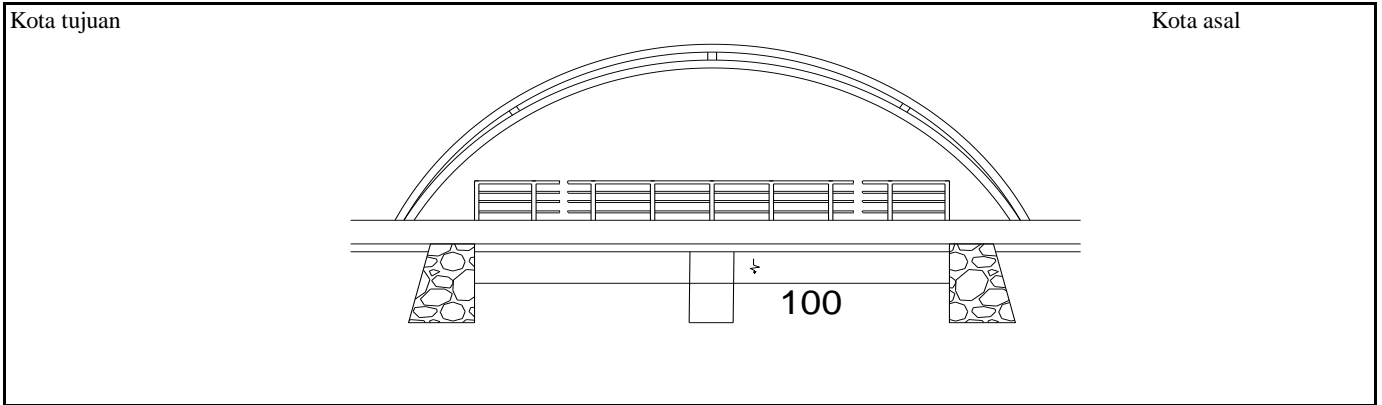
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|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

**NAMA JEMBATAN**

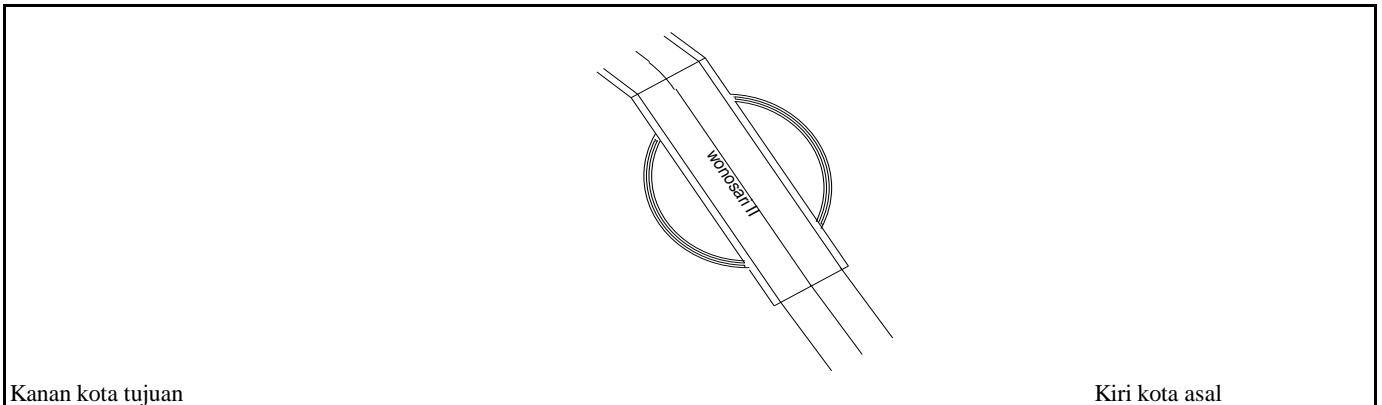
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WONOSARI II .....

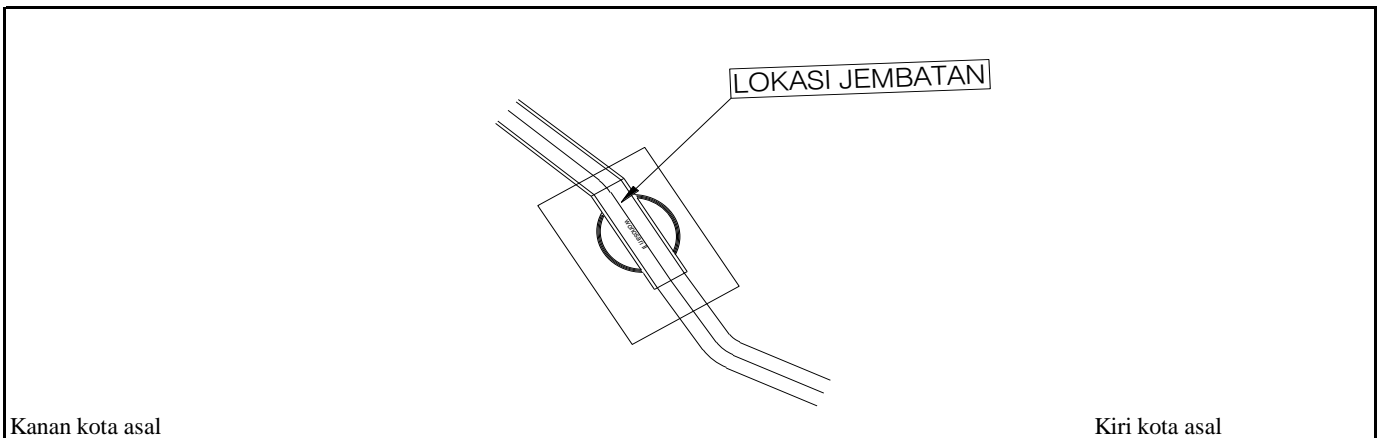
**POTONGAN MEMANJANG**



**TAMPAK ATAS**



**SITUASI**





**PEMERINTAH KOTA SEMARANG  
DINAS PEKERJAAN UMUM**

JL. MADUKORO RAYA NO. 7, TELP. (024) 76433969, FAX. (024) 76433969 KOTA SEMARANG



**TAMPAK MEMANJANG**



**TAMPAK MEMANJANG**



**TAMPAK MELINTANG**



**TAMPAK MELINTANG**

| NOMOR JEMBATAN            | NAMA JEMBATAN | LOKASI (Km) | PANJANG (M) |
|---------------------------|---------------|-------------|-------------|
| KT.33.074.07.1001.037.001 | WONOSARI II   | 0+005       | 10.80       |



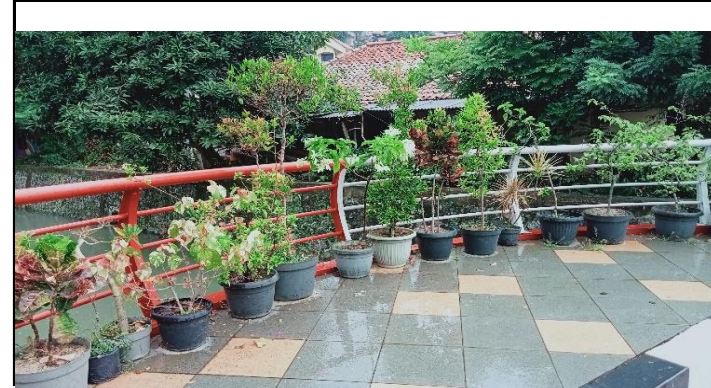


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**KONDISI LANTAI**



**KONDISI TROTOAR DAN SANDARAN**



**KONDISI BANGUNAN BAWAH**



**KONDISI ALIRAN SUNGAI**

| NOMOR JEMBATAN            | NAMA JEMBATAN | LOKASI (Km) | PANJANG (M) |
|---------------------------|---------------|-------------|-------------|
| KT.33.074.07.1001.037.001 | WONOSARI II   | 0+005       | 10.80       |